

Customer No.: 31561
Application No.: 10/707,354
Docket No.: 10465-US-PA

Amendments

In the Claims

1. (currently amended) A circuit for enhancing a slew rate by providing an assistant current to a main output stage having a main current, comprising:

a monitoring stage for receiving a signal from a the main output stage and outputting a decayed push signal and a decayed pull signal; and

an assistant output stage for receiving the decayed push signal and the decayed pull signal to output an assistant current[[.]], whereby the slew rate can be enhanced by adding the assistant current to the main current

2. (original) The circuit of claim 1, wherein the assistant current further feeds back to the main output stage.

3. (original) The circuit of claim 1, wherein the assistant current is turned on automatically after the main current is turned on.

4. (original) The circuit of claim 1, wherein the assistant current is turned off automatically before the main current is turned off.

5. (currently amended) A method for providing a push current and a pull current to a system having a main current, comprising:

detecting a first input and a second input;

BEST AVAILABLE COPY

Customer No.: 31561
Application No.: 10/707,354
Docket No.: 10465-US-PA

generating a push current when a voltage of the second input is larger than a voltage of the first input and is enough to turn on at least one of the switches; and

generating a pull current when a voltage of the first input is larger than a voltage of the second input and is high enough to turn on at least one of a plurality of switches.

6. (original) The method of claim 5, wherein the push current and the pull current further feed back to one of the first input and the second input.

7. (currently amended) The method of claim 5, wherein the push current and the pull current ~~is~~ are turned on automatically after the main current is turned on.

8. (currently amended) The method of claim 5, wherein the push current and the pull current ~~is~~ are turned off automatically before the main current is turned off.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.